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hp deskjet 6120 series printer

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reference guide

hp deskjet 6120 series printer

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terms and conventions

The following terms and conventions are used in this *reference guide*:

terms

The hp deskjet 6120 series printer may be referred to as the **HP Deskjet 6120 printer**, the **HP Deskjet**, the **HP printer**, or the **printer**.

symbols

The > symbol guides you through a series of software steps. For example:

> Click **Start** > **Programs** > **Hewlett-Packard** > **[hp deskjet printer]** > **release notes** to view the *release notes*.

cautions

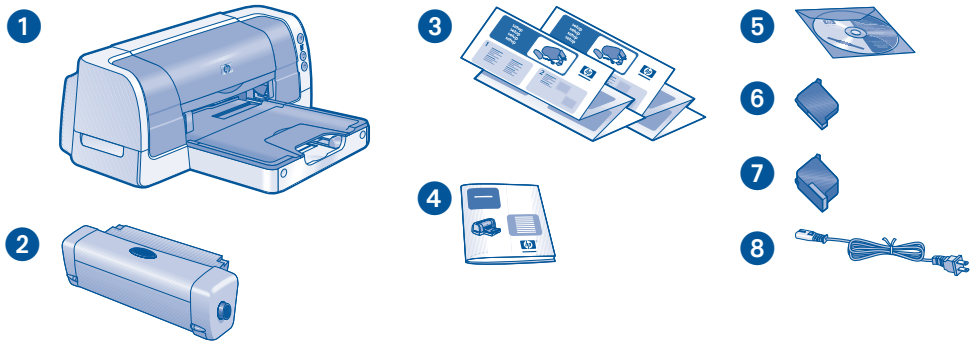
A **Caution** indicates possible damage to the HP printer or to other equipment. For example:

> Caution! Do not touch the print cartridge ink nozzles or copper contacts. Touching these parts will result in clogs, ink failure, and bad electrical connections.

introducing the hp deskjet 6120 series printer

what's in the box

Thank you for buying an hp deskjet 6120 series printer! Your printer box contains the following items:



1. **printer**
2. **two-sided printing accessory (duplexer)**
3. ***setup* posters**
4. **this *reference guide***
5. **printer software CD**
6. **black (hp 45) print cartridge**
7. **tri-color (hp 78) print cartridge**
8. **power cord(s)**

If any of these items is missing from the box, talk to your HP dealer or contact HP Support. See "contacting hp support" on page 20 for more information.

Printer drivers for Mac OS 8.6, 9.04+, and Mac OS X Classic are available on HP's website: **http://www.hp.com/support**

connectivity

This printer has several connectivity options:

- USB cable
- Network

USB cable

Purchase a Universal Serial Bus (USB) 2.0 full speed compliant cable. Use with Windows 98, Me, 2000, XP, and/or Macintosh computer systems.

Macintosh computers running Mac OS 8.6 can connect to the printer only through the printer's USB port.

network

Both the Windows and Macintosh platforms offer a number of ways to connect the printer to a network.

Windows

wireless connection
Use an HP Jetdirect 380x wireless external print server to make the printer available on a wireless network (see the print server documentation for instructions).

wired network connection
Use the printer's built-in ethernet feature to connect the printer to an ethernet network (see "built-in ethernet" on page 9).

Macintosh

wireless connection
Use an HP Jetdirect 380x wireless external print server to make the printer available on a wireless network (see the print server documentation for instructions).

wired network connection
Use the printer's built-in ethernet feature to connect the printer to an ethernet network (see "built-in ethernet" on page 9).

Only Macintosh computers running Mac OS 9.04+ or Mac OS X v10.1+ and that support TCP/IP can communicate with the printer via the built-in ethernet feature.

finding information

Several documents are included with the HP printer. They provide instructions on how to install the printer software, connect the printer to a network, operate the printer, and find help.

see...		for information about...	platform
	Windows *setup* poster	• Installation troubleshooting • Printer software and hardware setup	Windows
	Macintosh *setup* poster	Macintosh setup instructions	Macintosh
	this *reference guide*	• Printer box contents • Additional installation troubleshooting • HP support • HP printer warranty	Windows Macintosh

	Printer Assistant	• Printer documentation, including the onscreen *user's guide*
		• HP support
		• Productivity solutions
		• Shopping links to printer supplies and other HP products
		• Printer and software utilities
		• Networking information, including:
		  • Using the printer on a network
		  • Setting up wireless print servers and ethernet connections
			Windows

	onscreen *user's guide*	Complete product information including: • Using, maintaining, and troubleshooting the printer • Warranty statement • Environmental statement and regulatory notices (For access instructions, see "viewing the onscreen *user's guide*" on page 6.)	Macintosh
	release notes	Known software compatibility issues: • Click **Start** > **Programs** > **Hewlett-Packard** > **[hp deskjet printer]** > ***release notes***	Windows

viewing the onscreen user's guide

The onscreen *user's guide* provides instructions for using the HP printer. Information is also provided to help you solve printer problems that may occur.

Windows

When you install the printer software, the onscreen *user's guide* is installed automatically. Open the *user's guide* through the HP Printer Assistant, a tool that also provides:

- Network printing information
- Customer care through HP support
- Productivity solutions
- Shopping links to printer supplies and other HP products
- Printer and software utilities

The HP Printer Assistant icon is displayed on the Windows desktop after you install the printer software.

accessing the user's guide

To view the *user's guide*:

1. Double-click the **hp printer assistant** icon on your computer desktop.

   The HP Printer Assistant appears.
2. Click the **documentation** button.
3. Click **printer user's guide**.

You can also open the *user's guide* from the Start menu by clicking **Start** > **Programs** > **Hewlett-Packard** > **[hp deskjet printer]** > **user's guide**.

Adobe Acrobat versions of the user's guide

The *user's guide* is also available in the following languages:

- Arabic
- Greek
- Hebrew
- Turkish

If you want to view the *user's guide* in one of these languages:

1. Double-click the **hp printer assistant** icon on your computer desktop.
2. Click the **documentation** button on the HP Printer Assistant screen.
3. Click **printer user's guide**.
4. Select **user's guide is available in other languages** at the bottom of the screen.
5. Insert the printer software CD into the computer's CD-ROM drive.
6. Select your language from the list that appears.
   - If Acrobat Reader is installed on your computer, the *user's guide* is displayed.

     Use Acrobat 4.0 or later to view the *user's guide*.
   - If Acrobat Reader is not installed on your computer, it is installed automatically, then the *user's guide* is displayed.

Macintosh

Adobe Acrobat Reader 4.0 or later is required to view the *user's guide* in Mac OS 8.6 and 9.04+. If you do not have Acrobat Reader, install it from the printer software CD.

If you are a Mac OS X v10.1+ user, view the onscreen *user's guide* with Adobe Acrobat Reader 5.0 (available free of charge from www.adobe.com). You will not be able to navigate the onscreen *user's guide* using Preview.

To open the *user's guide*:

1. Insert the printer software CD into the computer's CD-ROM drive.

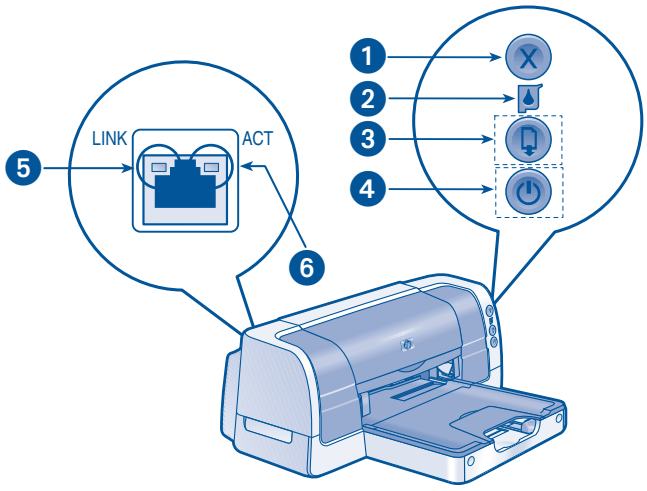
   The HP Deskjet screen is displayed.
2. Select the **User's Manuals** folder for your language.
3. Do one of the following:
   - Double-click the **User's Guide** icon if Acrobat Reader is installed on your computer.

   - (Mac OS 8.6 and 9.x) Double-click the **Reader Installer** icon if Acrobat Reader is not installed on your computer.

     Adobe Acrobat Reader is installed automatically. After it is installed, double-click the **User's Guide** icon to display the *user's guide*.

buttons and lights

The printer buttons let you turn the printer on and off, cancel a print job, or resume printing. The lights give you visual cues about the status of the printer.



1. cancel button 2. print cartridge status light 3. resume button and light 4. power button and light 5. link light 6. activity light

cancel button

Pressing the Cancel button cancels the current print job.

print cartridge status light

The light inside the Print Cartridge Status symbol flashes when a print cartridge is low on ink or incorrectly installed, or the printer's top cover is open.

resume button and light

The Resume light flashes when an action is required such as loading paper or clearing a paper jam. When the action is completed, press the **Resume** button to continue printing.

power button and light

The Power button turns the printer on and off. It may take a few seconds for the printer to turn on after you press the Power button. The green light next to the Power button flashes when the printer is processing.

> **Caution!** Always use the Power button on the front of the printer to turn the printer on and off. Using a power strip, surge protector, or a wall-mounted switch to turn the printer on and off may cause printer failure.

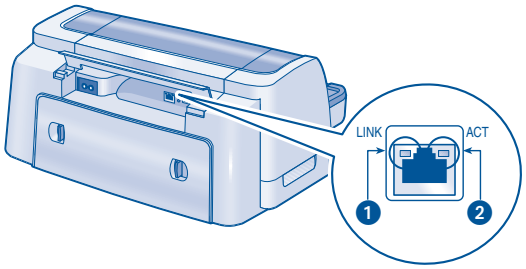
ethernet lights

For a description of the printer's ethernet lights, see "built-in ethernet" on page 9.

built-in ethernet

The printer's built-in ethernet feature allows the printer to be connected to an ethernet network without the need for an external print server.

Only Macintosh computers running Mac OS 9.04+ or Mac OS X v10.1+ and that support TCP/IP can communicate with the printer via the printer's built-in ethernet feature. The printer does not support AppleTalk.



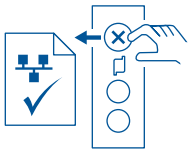
1. link light 2. activity light

lights

The Link light is solid when the printer is powered on and connected to an ethernet network.

The Activity light flashes when the printer is receiving or transmitting data over the ethernet connection.

network configuration page



The network configuration page provides useful information about the printer's ethernet connection.

To print a network configuration page, press the **Cancel** button (**X**) while the printer is powered on and idle.

internal web page

Use the printer's internal web page to view network data and configure network settings.

Follow these steps to open the printer's internal web page:

1. Verify that the printer and your computer are both connected to the network.
2. Launch your Internet browser (use Microsoft Internet Explorer 5.0 or higher or Netscape 4.75 or higher).
3. Enter the printer's URL in the browser's Address box, then press **Enter**.

   If you don't know the printer's URL, print a network configuration page. The printer's URL is item 2 on the page.

connect the printer

cables

Use a CAT-5 ethernet cable with an RJ-45 plug to connect the printer to a network.

Caution! Do not use a phone cord to connect the printer to an ethernet network, and do not connect the printer to a phone jack.

instructions

Follow these steps to connect the printer to an ethernet network:

1. If necessary, set up the printer hardware (see the *setup* poster that came with the printer).
2. Verify that the printer is powered on.
3. Connect the ethernet cable to a port on the ethernet hub or router.
4. Connect the ethernet cable to the printer's ethernet port on the back of the printer.
5. If the Link light is on, see "install the printer software" in the next section.

   If the Link light is off, verify the following:
   - The printer is powered on.
   - The hub or router is powered on.
   - All cable connections are secure.
   - You are using an ethernet cable.

troubleshooting

If you have trouble installing the printer software, see "troubleshooting: ethernet" on page 18.

install the printer software

Windows

1. Insert the printer software CD in the computer's CD-ROM drive.
2. Follow the onscreen instructions and use the following information to complete the installation.
   - **Printer connection**: Connected via network
   - **Network setup**: Basic network setup for a PC or server
3. After the installation has completed, follow the onscreen instructions to print a test page.

Macintosh

Only Macintosh computers running Mac OS 9.04+ or Mac OS X v10.1+ and that support TCP/IP can communicate with the printer via the printer's built-in ethernet feature.

Mac OS X v10.1+

1. Insert the printer software CD in the computer's CD-ROM drive.

   The CD contents window appears.
2. Double-click the **hp deskjet installer** icon.

   The hp deskjet installer window appears.
3. Select **OS X installer**, then click the **Install** button.
4. After the installation is complete, open Print Center.
5. Click the **Add Printer** button.

   The Add Printer dialog box appears.
6. Select **hp deskjet IP** from the pop-up menu.

   The Discover Printer dialog box appears.
7. Click the **Discover** button.

   When the printer is discovered, its name appears in the printer list.
8. Select the printer name from the printer list.
9. Click the **Add** button.
10. Close Print Center.

Mac OS 9.04+

Download the Mac OS 9.04+ printer driver and installation instructions from HP's website: **http://www.hp.com/support**

troubleshooting

If you have trouble installing the printer software, see "troubleshooting: ethernet" on page 18.

print cartridges

using print cartridges

The printer uses the following print cartridges:

print cartridge	selection number	product number
black	45	51645
tri-color	78	c6578

For more information, see these sections in the onscreen *user's guide*:

- "checking the print cartridge status"
- "replacing print cartridges"
- "maintaining print cartridges"
- "print cartridge recovery"

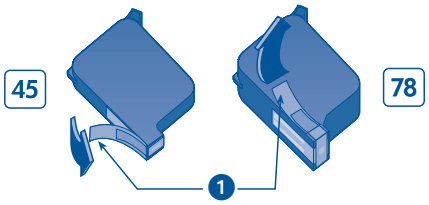
replacing a print cartridge

To replace a print cartridge:

1. Press the **Power** button to turn on the printer.
2. Open the top cover.

   The print cartridge cradle moves to the center of the printer.
3. Raise the cradle latch.
4. Lift the print cartridge out of the cradle.

   To return empty print cartridges to HP, see "print cartridge recovery" in the onscreen *user's guide*.
5. Remove the replacement print cartridge from its packaging and carefully remove the plastic tape. Hold the print cartridge so that the copper strip is on the bottom.



1. pull tab to remove the plastic tape

Caution! To prevent clogs, ink failure, and bad electrical connections, do not touch the print cartridge ink nozzles or copper contacts, and do not remove the copper strips.

6. Push the print cartridge firmly into the cradle.
7. Secure the cradle latch.
8. Verify that plain paper is loaded in the In tray, then close the top cover.

The printer automatically prints a calibration page whenever a print cartridge is replaced.

installation troubleshooting

Windows

Use the information in this section if you have problems setting up your HP printer. If you need help after the printer is set up, see the onscreen *user's guide* in the Printer Assistant. See "viewing the onscreen *user's guide*" on page 6 of this *reference guide* for instructions.

what is the problem?

The installation program does not start automatically when the CD is inserted.

possible causes...	to solve the problem...
• Auto-run is disabled. • The computer cannot find the autorun.exe program on the printer software CD.	1. Insert the printer software CD into the computer's CD-ROM drive. Be careful to position the CD correctly. 2. Select **Start** > **Run**, then click **Browse**. 3. Browse to the HPPP CD-ROM icon, then click **Open**. 4. Select **Setup**, then click **Open**. The setup.exe file appears in the Run dialog box. 5. Click **OK**. 6. Follow the onscreen instructions to install the printer software.

installation troubleshooting, continued

what is the problem?

The printer software seemed to install correctly, but the printer name does not appear when **File** > **Print** is selected. The printer is not shown in the Printers folder on the Control Panel.

possible causes...	to solve the problem...
The printer software was not installed successfully.	1. Close any virus protection programs or other software programs that are running on the computer. 2. Insert the printer software CD into the CD-ROM drive, 3. Follow the onscreen instructions. If the installation program does not start automatically, then see "to solve the problem..." on page 13.

Windows USB

Use the information in this section if you have problems setting up your HP printer with a USB cable. If you need help after the printer is set up, see the onscreen *user's guide*.

what is the problem?

The Plug and Play operation did not complete (the New Hardware Wizard did not finish).

possible causes...	to solve the problem...
The computer could not find the printer driver.	1. Cancel the New Hardware Wizard. 2. Remove the printer software CD from the CD-ROM drive. 3. Re-insert the printer software CD into the computer's CD-ROM drive. 4. Follow the onscreen instructions to install the printer software. If the installation program does not start automatically, then see "to solve the problem..." on page 13.

installation troubleshooting: Windows USB, continued

what is the problem?

When I tried installing the printer software the installation stopped. When I tried installing again, the New Hardware Found Wizard was gone and the USB port was not available.

possible causes...	to solve the problem...
The operating system terminated the installation before it was complete.	1. Close any virus protection programs or other software programs that are running on the computer. 2. Insert the printer software CD into the CD-ROM drive, 3. Follow the onscreen instructions. If the installation program does not start automatically, then see “to solve the problem...” on page 13.

installation troubleshooting: Windows USB, continued

what is the problem?

When I connect a USB cable between the printer and my computer, an "Unknown Device" message appears.

If you are using Windows 2000, the "Unknown Device" message does *not* mean that there is a problem. However, if you are using Windows 98, Me, or XP, the "Unknown Device" message *does* mean that there is a problem. Use the troubleshooting steps below to solve the problem.

possible causes...	to solve the problem...
• Static electricity has built up in the cable between the printer and your computer. • You may have a defective USB cable.	1. Disconnect the USB cable from the printer. 2. Unplug the printer from its power cord. 3. Wait approximately 30 seconds. 4. Plug the power cord into the printer. 5. Plug the USB cable into the printer. 6. Replace the USB cable or use a parallel cable if "Unknown Device" continues to appear in the New Hardware Found dialog box and you are not using Windows 2000.

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troubleshooting: ethernet

Use the information in this section if you have problems setting up your HP printer with its built-in ethernet feature. If you need help after the printer is set up, see the electronic documentation.

what is the problem?

The ethernet cable is connected to the printer, but the Link light is off.

possible causes...	to solve the problem...
The printer is not powered on.	Press the **Power** button to power on the printer.
The ethernet hub or router is not powered on or is malfunctioning.	Verify that the hub or router is powered on. Consult the documentation that came with the hub or router to verify that it is working properly.
You are not using a CAT-5 ethernet cable.	Use a CAT-5 ethernet cable with a RJ-45 plug to connect the printer to the network.
The ethernet cable is not securely connected.	Verify that the cable is securely connected to the printer and hub or router. The cable snaps into place when the connection is secure.
The ethernet cable is broken.	Use a different ethernet cable to connect the printer to the network.

troubleshooting: ethernet, continued

what is the problem?

The printer cannot be detected during software installation.

possible causes...	to solve the problem...
The printer is not connected to the network.	Connect the printer to the network (see "connect the printer" on page 10).
The computer is not connected to the network.	Verify that the computer is connected to the network.
The computer cannot discover the printer's IP address.	**Windows** 1. Print a network configuration page (see "network configuration page" on page 9). 2. Find the printer's IP address (item 7 on the configuration page). 3. On the Identify Printer panel of the software installer, select **Specify a printer by address**, then click **Next**. 4. On the Specify Printer panel of the software installer, select **IP Address**. 5. Enter the printer's IP address in the IP Address box, then click **OK**. 6. Follow the onscreen instructions to complete the installation. **Macintosh** See "ethernet troubleshooting" in the onscreen *user's guide*.

contacting hp support

HP support provides expert advice on using your HP printer or solving problems with your printer.

support process

The HP support process works most effectively if you look for help in the following order:

1. Search the *user's guide* on your computer.

   See "viewing the onscreen *user's guide*" on page 6.
2. Use the Internet any time of the day to:
   - Check for software updates from HP.
   - See HP's online support pages for product help.
   - Send HP an email message.
3. If you are in the U.S., call HP Customer Care Audio Tips, the toll-free automated support line at (877) 283-4684, for fast and simple solutions to commonly asked HP deskjet printer questions.
4. Contact HP support by phone during regular office hours.

   For more information see "hp support by phone" on page 21.

Support options and availability vary by product, country/region, and language.

hp support websites

If you have access to the Internet, you can obtain a wide variety of information about your printer.

Visit our website at **www.hp.com/support** for the latest printer software and support information.

hp support email

One-to-one email gives direct answers to your questions from an HP support technician. Email support is a great way to ask technical questions and obtain answers that are tailored to your specific need.

Enter your question on a Web form and receive an email reply.

software updates

Use either of the following methods to obtain copies and updates of the printer software:

- Download the printer software from HP's website.
- Phone HP support to request a CD containing the software update files.

See "support phone numbers" on page 22.

hp support by phone

HP provides telephone support free of charge during the printer's free phone support period.

free phone support period

The list below shows the free phone support period for your country/region. Standard phone company charges apply.

country/region	phone support
North America	1 year
Asia Pacific	1 year
Europe, Middle East, Africa	See below*
Latin America—including Mexico	1 year

* Europe, Middle East, and Africa

For phone support in Europe, please consult the following website to check the details and conditions of phone support in your country/region: **www.hp.com/support**.

Alternatively, you can ask your dealer or call HP at the phone number listed for your country/region. See "support phone numbers" on page 22.

As a part of our continuing effort to improve our phone support services, we advise you to check our website on a regular basis for new information regarding service features and delivery.

before placing a call

Before placing a call for help, try these free support options:

- Search the *user's guide* on your computer; see "viewing the onscreen *user's guide*" on page 6
- Use the Internet any time of the day to:
  - Check for software updates from HP
  - Use HP's online support pages for product help

If the problem is not solved using the above options, call an HP support technician while in front of the computer and printer. For faster service on the phone and to ensure that time is wisely used, be prepared to provide information about what has been tried to solve the problem, as well as the following:

- The printer's model number (located on the label on the front of the printer)
- The printer's serial number (located on the bottom of the printer)
- The computer's operating system
- The version of the printer driver (also referred to as the printer software)
- Messages displayed at the time the situation occurred
- Answers to these questions:
  - Has this situation happened before? Can you re-create it?
  - Did you add any new hardware or software on your computer around the time this situation began?

support phone numbers

If you need help solving a problem, contact HP support using one of the phone numbers on the inside front cover of this book. For the most up-to-date list of phone numbers for your country/region, refer to HP's website at **www.hp.com/support**.

after the free phone support period

After the free phone support period, help is available from HP at an additional cost. Contact your HP dealer or call the support phone number for your country/region to discover the available support options. See "support phone numbers" on page 22.

Remember, online support from HP is always available for free.

product repairs

If there is a problem, follow the recommended support path. If your HP printer is in need of repair, take it to your local HP dealer for a solution. This service is free during the limited warranty period. Beyond the warranty period, a repair charge will be quoted.

obtaining a warranty extension

If you would like to extend the warranty coverage beyond the limited warranty period, contact your local HP dealer.

If your HP dealer does not offer service contracts, call HP directly and ask about our HP service agreements.

hp printer limited warranty statement

region	software	printer
North America (including Canada)	90 days	1 year
Asia Pacific	90 days	1 year
Europe	90 days	1 year
Latin America	90 days	1 year

A. extent of limited warranty

Hewlett-Packard (HP) warrants to the end-user customer that the HP products specified above will be free from defects in materials and workmanship for the duration specified above, which duration begins on the date of purchase by the customer. Customer is responsible for maintaining proof of date of purchase.

1. For software products, HP's limited warranty applies only to a failure to execute programming instructions. HP does not warrant that the operation of any product will be uninterrupted or error free.
2. HP's limited warranty covers only those defects which arise as a result of normal use of the product, and do not apply to any:
   - Improper or inadequate maintenance or modification;
   - Software, interfacing, media, parts, or supplies not provided or supported by HP; or
   - Operation outside the product's specifications.
3. For HP printer products, the use of a non-HP ink cartridge or a refilled ink cartridge does not affect either the warranty to the customer or any HP support contract with the customer. However, if printer failure or damage is attributable to the use of a non-HP or refilled ink cartridge, HP will charge its standard time and materials charges to service the printer for the particular failure or damage.
4. If HP receives, during the applicable warranty period, notice of a defect in any software, media, or ink cartridge covered by HP's warranty, HP shall replace the defective product. If HP receives notice of a defect in any hardware product covered by HP's warranty during the applicable warranty period, HP shall either repair or replace the defective product at HP's option.
5. If HP is unable to repair or replace, as applicable, a defective product covered by HP's warranty, HP shall, within a reasonable time after being notified of the defect, refund the purchase price of the product.
6. HP shall have no obligation to repair, replace, or refund until the customer returns the defective product to HP.
7. Any replacement product may be either new or like-new, provided that it has functionality at least equal to that of the product being replaced.
8. HP's limited warranty is valid in any country where the covered HP product is distributed by HP except for the Middle-East, Africa, Argentina, Brazil, Mexico, Venezuela, and France's "Departements D'Outre-Mer"; for those excepted areas, the warranty is valid only in the country of purchase. Contracts for additional warranty services, such as on-site service, may be available from any authorized HP service facility where the product is distributed by HP or by an authorized importer.
9. Any applicable print cartridge warranty shall not apply to HP print cartridges that have been refilled, remanufactured, refurbished, misused, or tampered with in any way.

B. limitations of warranty

TO THE EXTENT ALLOWED BY LOCAL LAW, NEITHER HP NOR ITS THIRD PARTY SUPPLIERS MAKE ANY OTHER WARRANTY OR CONDITION OF ANY KIND, WHETHER EXPRESS OR IMPLIED, WITH RESPECT TO THE HP PRODUCTS, AND SPECIFICALLY DISCLAIM THE IMPLIED WARRANTIES OR CONDITIONS OF MERCHANTABILITY, SATISFACTORY QUALITY, AND FITNESS FOR A PARTICULAR PURPOSE.

C. limitations of liability

1. To the extent allowed by local law, the remedies provided in this Warranty Statement are the customer's sole and exclusive remedies.
2. TO THE EXTENT ALLOWED BY LOCAL LAW, EXCEPT FOR THE OBLIGATIONS SPECIFICALLY SET FORTH IN THIS WARRANTY STATEMENT, IN NO EVENT WILL HP OR ITS THIRD PARTY SUPPLIERS BE LIABLE FOR DIRECT, INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, WHETHER BASED ON CONTRACT, TORT, OR ANY OTHER LEGAL THEORY AND WHETHER ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

D. local law

1. This Warranty Statement gives the customer specific legal rights. The customer may also have other rights which vary from state to state in the United States, from province to province in Canada, and from country to country elsewhere in the world.
2. To the extent that this Warranty Statement is inconsistent with local law, this Warranty Statement shall be deemed modified to be consistent with such local law. Under such local law, certain disclaimers and limitations of this Warranty Statement may not apply to the customer. For example, some states in the United States, as well as some governments outside the United States (including provinces in Canada), may:
   - Preclude the disclaimers and limitations in this Warranty Statement from limiting the statutory rights of a consumer (e.g., the United Kingdom);
   - Otherwise restrict the ability of a manufacturer to enforce such disclaimers or limitations; or
   - Grant the customer additional warranty rights, specify the duration of implied warranties which the manufacturer cannot disclaim, or not allow limitations on the duration of implied warranties.
3. FOR CONSUMER TRANSACTIONS IN AUSTRALIA AND NEW ZEALAND, THE TERMS IN THIS WARRANTY STATEMENT, EXCEPT TO THE EXTENT LAWFULLY PERMITTED, DO NOT EXCLUDE, RESTRICT, OR MODIFY, AND ARE IN ADDITION TO, THE MANDATORY STATUTORY RIGHTS APPLICABLE TO THE SALE OF HP PRODUCTS TO SUCH CUSTOMERS.

product specifications

black text print speed

Draft: Up to 20 pages per minute
Fast Normal: Up to 11 pages per minute
Normal: Up to 7 pages per minute
Best: Up to 1.4 pages per minute

mixed text with color graphics print speed*

Draft: Up to 13 pages per minute
Fast Normal: Up to 6.9 pages per minute
Normal: Up to 5 pages per minute
Best: Up to 1.2 pages per minute
* These are approximate figures. The exact speed varies with the system configuration, software program, and document complexity.

memory

16 MB built-in RAM

power consumption

2 watt maximum when off
4 watts maximum when not printing
35 watts average when printing

declared noise emissions in accordance with ISO 9296

Best Mode:
Sound power level, LWAd: 5.5 Bels (A)

Sound pressure level, LpAm (bystander positions): 42 dB (A)

Fast Normal Mode:
Sound power level, LWAd: 6.4 Bels (A)

Sound pressure level, LpAm (bystander positions): 51 dB (A)

power requirements

Input Voltage: 100 to 240 VAC (± 10%)

Input Frequency: 50 to 60 Hz (± 3 Hz)

Accommodates the worldwide range of AC line voltages and frequencies.

regulatory model number

For regulatory identification purposes, this product is assigned a Regulatory Model Number.

The Regulatory Model Number for the printer is VCVRA-0201.

This regulatory number should not be confused with the marketing name (hp deskjet 6120 series) or product number (C8959a, C8959b).